

Applicants: Shoji Miyazaki et al.  
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Amendments to the Claims:

Please cancel Claim 46 without prejudice or disclaimer, and amend Claims 45 and 47 as set forth below.

1-44. (Canceled)

45. (Currently amended) A biosensor for quantifying a substrate included in a sample liquid comprising:

- a first insulating support and a second insulating support;
- an electrode part comprising at least a working electrode and a counter electrode;
- a specimen supply path for introducing the sample liquid to the electrode part; and
- a reagent layer employed for quantifying the substrate included in the sample liquid,

where the electrode part, the specimen supply path, and the reagent layer are situated between the first insulating support and the second insulating support, the specimen supply path being provided on the electrode part, and the reagent layer being provided on the electrode part in the specimen supply path, respectively, the electrode part being dividedly formed by a first type of slits provided on an electrical conductive layer which is formed on the whole or part of an internal surface of one or both of the first insulating support and the second insulating support, and

each of said electrodes comprises a measuring part for biosensor has information of correction data generated for each production lot of the biosensor, which correspond to characteristics concerning outputting of an electrical change resulting from a reaction between the sample liquid and the reagent layer; and a correction part for having information of correction data which correspond to output characteristics of the biosensor.

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one or a plurality of a second type of slits dividing the electrode part is provided  
and,

said correction data can be discriminated by a measuring device employing the biosensor on the basis of whether or not there is said second type slit for dividing said measuring part and said correction part in each of said electrodes.

46. (Canceled)

47. (Currently amended) A biosensor for quantifying a substrate included in a sample liquid comprising:

- a first insulating support and a second insulating support;
- an electrode part comprising at least a working electrode and a counter electrode;
- a specimen supply path for introducing the sample liquid to the electrode part; and
- a reagent layer employed for quantifying the substrate included in the sample liquid,

where the electrode part, the specimen supply path, and the reagent layer are situated between the first insulating support and the second insulating support,

the specimen supply path being provided on the electrode part, and the reagent layer being provided on the electrode part in the specimen supply path, respectively,

the electrode part being dividedly formed by a first type of slits provided on an electrical conductive layer which is formed on the whole or part of an internal surface of one or both of the first insulating support and the second insulating support, and

~~a third type of slits is provided for dividing the electrical conductive layer to define an area of the electrode part, and~~

~~each of said electrodes comprises a measuring part for biosensor has information of correction data generated for each production lot of the biosensor, which correspond to~~

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~~characteristics concerning outputting of an electrical change resulting from a reaction between the sample liquid and the reagent layer; and a correction part for having information of correction data which correspond to output characteristics of the biosensor,~~

one or a plurality of a second type of slits dividing the electrode part is provided  
and,

said correction data can be discriminated by a measuring device employing the biosensor on the basis of whether or not there is said second type slit for dividing said measuring part and said correction part in each of said electrodes, and

one or a plurality of a third type of slits is provided for dividing the electrical conductive layer to define an area of the electrode part.

48. (Previously presented) The biosensor as defined in Claim 47, wherein the first insulating support and the second insulating support are approximately rectangular in shape, and one of the third type of slits or two or more of the third type of slits are provided in parallel with one side of the approximate rectangle shape.

49. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein the electrode part further comprises a detecting electrode.

50. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein  
the electrode part further comprises a detecting electrode, and  
the counter electrode is provided on the whole or part of the internal surface of the second insulating support,

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the working electrode and the detecting electrode are provided on the whole or part of the internal surface of the first insulating support, and

the working electrode and the detecting electrode which are provided on the internal surface of the first insulating support are dividedly formed by the first type of slits provided on the electrical conductive layer.

51. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein the electrode part is provided on the whole or part of the internal surface of only the first insulating support, and the electrode part provided on the internal surface of the first insulating support is dividedly formed by the first type of slits provided on the electrical conductive layer.

52. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein the counter electrode has an area that is equal to or larger than that of the working electrode.

53. (Previously presented) The biosensor as defined in Claim 49, wherein the counter electrode and the detecting electrode which is provided on the electrode part have a total area that is equal to or larger than that of the working electrode.

54. (Previously presented) The biosensor as defined in Claim 53, wherein the area of the detecting electrode in the specimen supply path of the biosensor is equal to the area of the counter electrode.

55. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein a spacer is provided which has a cutout part for forming the specimen supply

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path and is placed on the electrode part, and the second insulating support is placed on the spacer.

56. (Previously presented) The biosensor as defined in Claim 55, wherein the spacer and the second insulating support are integral.

57. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein an air hole leading to the specimen supply path is formed.

58. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein the reagent layer is formed by dripping a reagent, and a fourth type of slits is provided around a position where the reagent is dripped.

59. (Previously presented) The biosensor as defined in Claim 58, wherein the fourth type of slits is arc shaped.

60. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein at least one or all of the first type of slits, the second type of slits which divide the electrode part, the third type of slits which are provided for dividing the electrical conductive layer to define an area of the electrode part, and the fourth type of slits which are provided around a position where the reagent is dripped so as to form the reagent layer, are formed by processing the electrical conductive layer by a laser.

61. (Previously presented) The biosensor as defined in Claim 60, wherein the first type of slits, the second type of slits, the third type of slits, and the fourth type of slits have a slit width of 0.005 mm to 0.3 mm.

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62. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein the reagent layer comprises an enzyme.

63. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein the reagent layer comprises an electron transfer agent.

64. (Previously presented) The biosensor as defined in Claim 45 or 47, wherein the reagent layer comprises a hydrophilic polymer.

65. (Previously presented) The biosensor as defined in Claim 45 or 57, wherein the insulating support is made of a resin material.